

DIPPING TYPE MEMBRANE FILTRATION APPARATUS AND DIPPING TYPE MEMBRANE FILTRATION METHOD

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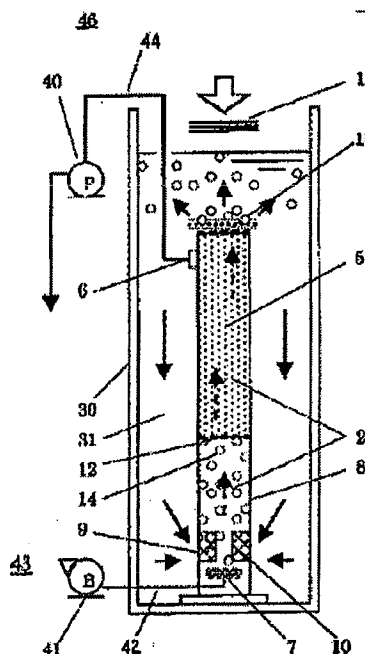
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Abstract of JP2003047830

PROBLEM TO BE SOLVED: To carry out filtration of a liquid to be treated by a dipping type membrane filtration method efficiently with a simple procedure over a long period.
SOLUTION: A dipping type membrane filtration apparatus is designed for obtaining filtrate by applying a dipping type membrane filtration method to a liquid 31 to be treated which is stored in a storage tank 30, and is provided with a plurality of tubular filter membrane modules 5 each having a filtration function for the liquid to be treated 31 and an air bubble supply apparatus 9 for supplying air bubbles 14 toward the tubular filter membrane modules 5. A cover body 11 for passing the air bubbles 14 by being opened and for blocking the air bubbles 14 by being closed is provided above the tubular filter membrane module 5 and foreign substance deposited on an inlet 12 and also a cake layer stuck on the inside surface of the tubular filter membrane are removed by confining the air bubbles 14 in a filtration standstill process where the air bubbles 14 is blocked and discharging the confined air bubbles suddenly in a filtered component removing process where the air bubbles 14 are passed.



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